

# **CardBus 10/100 Ethernet PC Card Adapter**

## **Quick Installation Guide**

# Hardware Installation

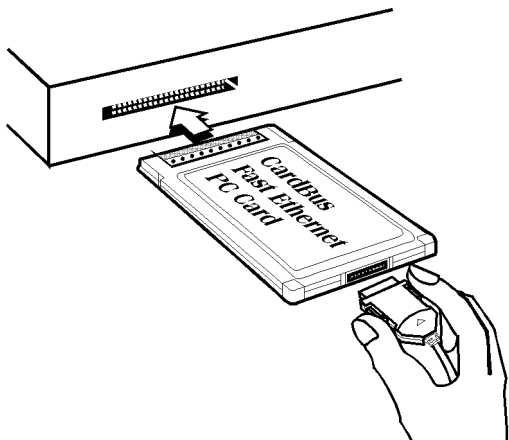
This chapter describes how to install the CardBus 10/100M dual-speed PC Card in your notebook computer and connect it to network. It's referred to "the PC Card" in this manual.

The PC Card could connect to either 100Mbps Fast Ethernet or 10Mbps Ethernet over unshielded twisted pair (UTP) cable. The PC Card has the ability of automatic sensing and operating on either speed without manual reconfiguration.

After finishing the installation of PC Card into your Notebook, please refer to **Software Installation** on how to install network drivers using menu driven installation utility.

## Inserting the CardBus Dual-Speed PC Card

1. Hold the CardBus PC Card with wide connector toward the slot and the brand label facing upward.
2. Insert the CardBus PC Card and push it firmly into the bottom. ( Please see the figure on the next page for reference)



## **Removing the CardBus Dual-Speed PC Card**

It's quite different for various computer mechanical design. Please refer to the PC Card removal instruction in the document for your notebook computer.

## **Connecting and Removing the Cable of Media Coupler to the CardBus PC Card**

Grasp the PC Card 15-pins connector at the end of the media coupler with the pointing triangle facing upward. Gently insert it into the mating connector on the PC Card until it clicks in place at both sides.

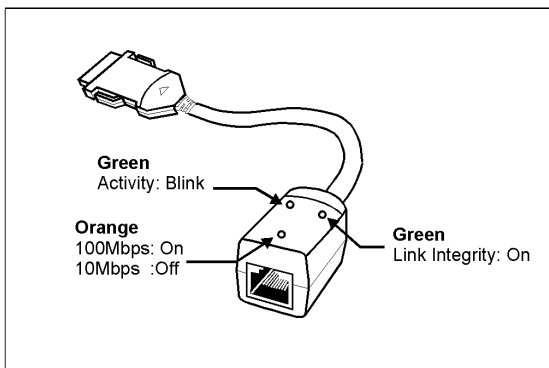
**Attention** should be paid when removing the 15-pins connector. Please press the both sides of the connectors before dragging it out of the PC Card.

## Connecting to the Network

Connect unshielded twisted pair (UTP) cable to the RJ-45 connector of media coupler before loading any network driver.

- For operation in the 100Mbps (100Base-TX) Ethernet network, a Category 5 unshielded twisted pair (UTP) cable should be used to connect between media coupler and 100Mbps hub or switch.
- For operation in the 10Mbps (10Base-T) Ethernet network, Category 3, 4 or 5 unshielded twisted pair (UTP) cable could be used to connect between the media coupler and a 10Mbps hub or switch.

## LED Indicators



# Software Installation

Extensive software drivers have been developed for CardBus 10/100M PC Card including DOS-Mode, Microsoft Windows 3.x, Windows 95, Windows NT. Some of the Operating Systems and PC Card/Socket Services haven't been well implemented to support new CardBus technology at the present time. Our unique drivers and utility enable the CardBus 10/100M Ethernet PC Card to run almost all the major environments.

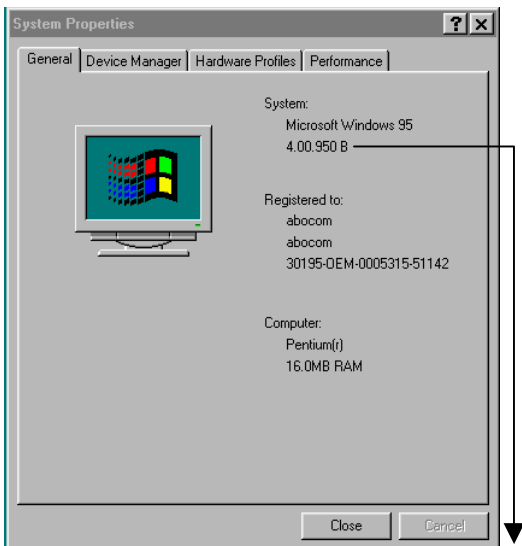
This Chapter consists several parts: **Windows 95, Windows 98, Windows 2000, Windows NT 4.0, Windows NT 3.5x** and various configuration in **DOS-mode**. The user could refer to specific section for installation.

# Windows 95 Installation

Windows 95 released two major versions at the time when this manual is written. The first version ( refer to “*Native Windows 95*” afterward ) supports for 16-bit PC Card but not for CardBus PC Card. The latest version Windows 95 with OEM Service Release #2 ( refer to *OSR2 Windows 95 or later* ) supports both 16-bit and CardBus PC Card. The CardBus 10/100M Ethernet PC Card could operates in either Native or OSR2 version Windows 95 environments. However, the installation procedures are different. The section will presents you how to identify your version of Windows 95 first. Then you could decide which kind of installation process should be followed:

## Determining the Version of Windows 95

1. After successfully booting and login the Windows 95. Click on the **Start Button**.
2. Select the **Settings**.
3. Select **Control Panel**.
4. Within the Control Panel, double-click the **System icon**.
5. Select the **General** Tab, this system information will displayed like the following figure.



Version Information here!

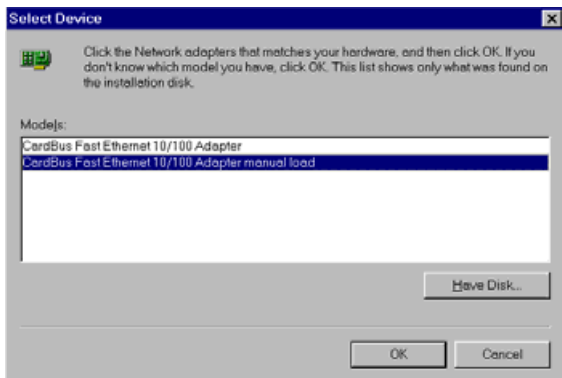
- **4.00.950 or 4.00.950a** is first released Windows 95 which don't support CardBus. Refer to **Native Windows 95** section for installation.
- **4.00.950B** is Windows 95 with OEM Service Release #2 which support both PC Card and CardBus PC Card. Refer to **OSR2 Windows 95 or Later** section for installation.

## Native Windows 95

Though Non-OSR2 Windows 95 doesn't support CardBus PC Card, you could use our driver to run the the CardBus 10/100M Ethernet PC Card.

1. Insert the Cardbus 10/100M Ethernet PC Card into the socket.
2. Click on the **Start** button.
3. Select **Setting**
4. Select **Control Panel**. And the **Control Panel** show up.
5. Double-click the **Network** icon. And the **Network Menu** prompt up.
6. Click the **Add** button. And **Select Network Components Type** Menu shows.
7. Double-click the **Adapter**. The **Select Network Adapters** Menu opens.
8. Click the **Have Disk** button. The **Install From Disk Menu** shows.
9. Insert the Drive Disk.
10. Give A:\ in the input box. Click **OK**. ( Or type the path name wherever you place the driver programs)
11. Select the **CardBus Fast Ethernet 10/100 Adapter manual load**





12. Click **OK**. A dialog box will appear to adjust the driver's settings. The resources assignment to adapter should be unique in the system.
13. The **Newwork** window reopens.
14. Click **OK**
15. Insert your original Windows 95 CD or disk set. Input the drive which contain the source. Click **OK**
16. After the copy file process is complete, the system will prompt you to restart the Computer.
17. For the first time installation, you need to go to the Network in the Control Panel to setup the protocols, clients and services properly according to your need.

**Note:** If you start the computer without the CardBus 10/100 Ethernet PC Card installed in the socket, the native Windows 95 system will prompt you the warning message “**Your Network Adapter CardBus Fast Ethernet 10/100 Adapter manual load**”[0001] is not working properly.

**You may need to set it up again. For more information see the network troubleshooter in the windows Help”.**

If you don't need to use the CardBus 10/100 PC Card at this time, you can just ignore the message. Otherwise, you need to insert the CardBus 10/100 Ethernet PC Card into the CardBus socket and just restart the native Windows 95 again to make the Card working functionally.

## **OSR2 Windows 95 and Later**

Windows 95 OSR2 and later versions support both CardBus and 16-bit PC Card. That is, you could run the 16-bit PC Card and CardBus 10/100M Ethernet PC Card simultaneously with the plug-n-play support. In addition to the plug n-play support of both types of PC Card, the user also could perform the Hot Swap function provided by the Card and Socket Service built in the OSR2 Windows 95 or later.

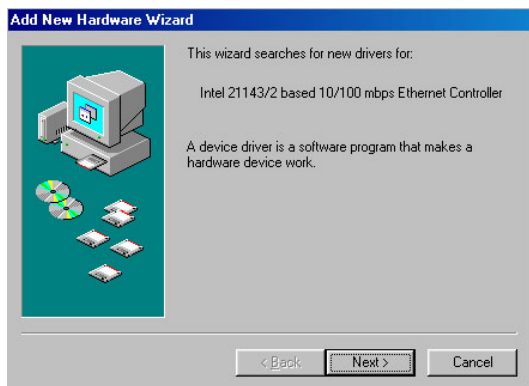
1. After the Windows 95 OSR2 have successfully boot, insert the CardBus 10/100 Ethernet PC Card with media coupler attached into the CardBus Socket.
2. Click **Next** on **Update Device Drivers Wizard**
3. Click The **Others Locations** button



4. Insert driver diskette into the floppy disk.
5. Type **A:\** .The driver will be installed and you may be asked for the original Windows 95 CD/disks.
6. For the first time installation, please click **Network** icon in **Control Panel** to add Protocols, Client and Service if you needed
7. Reboot the machine and the card will be fully functional.

# Windows 98 Installation

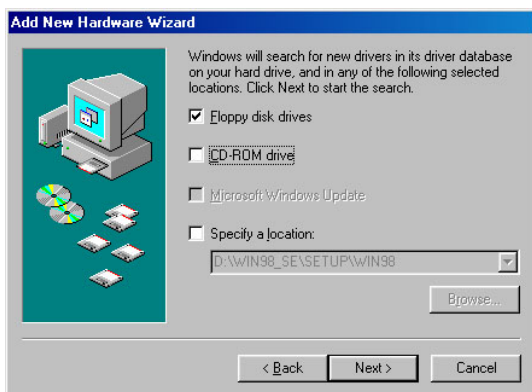
1. When the CardBus 10/100 Ethernet PC Card Adapter is well inserted into the PC Card slot of your system, the following figure will appear automatically. Click **Next** to proceed.



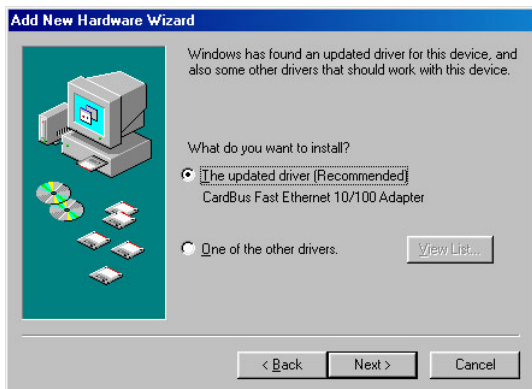
2. Select **Search for the best driver for your device (Recommended)** and click **Next**.



3. Insert the device driver disk into the floppy disk drive. Select **Floppy disk drives** and click **Next**.

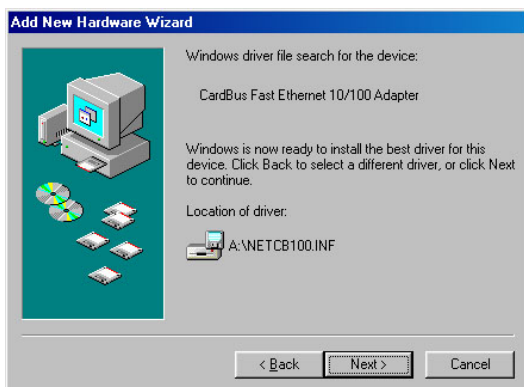


4. Select **The updated driver (Recommended) CardBus Fast Ethernet 10/100 Adapter** and click **Next**.



5. When the appropriate driver for the device is found, click **Next** to install. When asked to supply the original Windows 98 installation

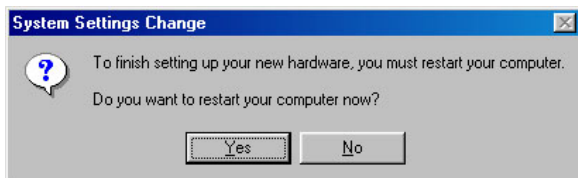
CD-ROM, you'll have to load it into the CD-ROM drive for the software installation need.



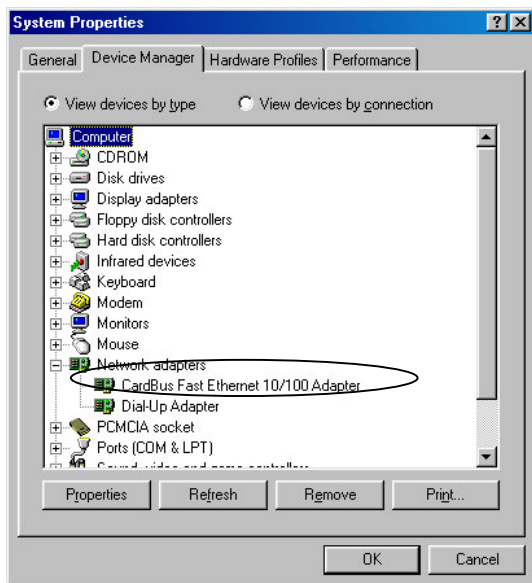
6. Wait for a while until the file copy process is complete.
7. Click **Finish**. Then the software installation is successfully complete.



8. When asked to restart your system, click **Yes** to activate the device.



9. To verify if the device is well installed in your system and enabled, go to **Start→Settings→Control Panel→System→Device Manager**. Make sure CardBus Fast Ethernet 10/100 Adapter appears as illustrated below. If not, it means your device is not properly installed. Then consult your dealer for more information.



# Windows 2000 Installation

1. When the CardBus 10/100 Ethernet PC Card Adapter is well inserted into the PC Card slot of your system, the following figure will appear automatically. Click **Next** to proceed.

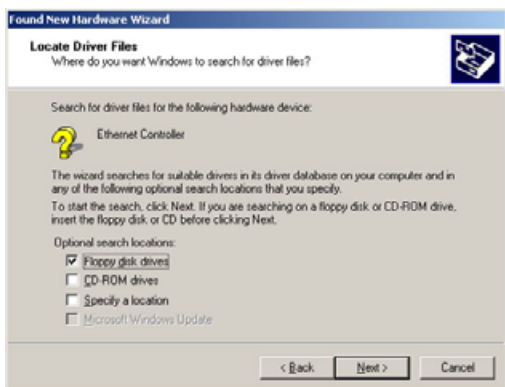


2. Select **Search for a suitable driver for my device (recommended)** and click **Next**.

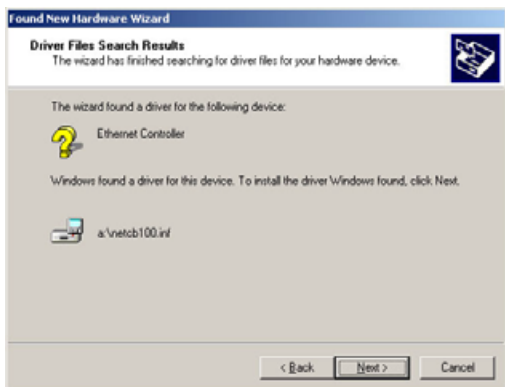




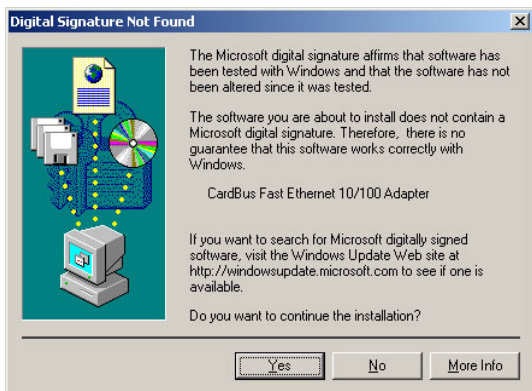
3. Insert the device driver disk into the floppy disk drive. Select **Floppy disk drives** and click **Next**.



4. When the appropriate driver for the device is found, click **Next** to install.



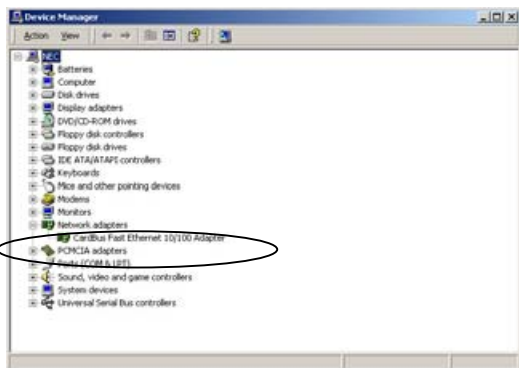
5. Click **Yes**.



6. Click **Finish**. Then the software installation is successfully complete.



7. To verify if the device is well installed in your system and enabled, go to **Start→Settings→Control Panel→System→Hardware→Device Manager**. Make sure CardBus Fast Ethernet 10/100 Adapter appears as illustrated below. If not, it means your device is not properly installed. Then consult your dealer for more information.



## Windows NT 4.0 Installation

Assumed that the Network Services already installed in the NT 4.0 system.

1. Insert the Cardbus 10/100M Fast Ethernet PC Card into any one of PC Card Slots in system.
2. Power up Windows NT 4.0
3. Open **My Computer**
4. Open **Control Panel** icon
5. Double-click the **Network** icon
6. Select **Adapters** tab.
7. Press **Add** to add network adapter
8. Press **Have Disk** button
9. Insert the driver disk into floppy drive
10. Specify the path to "A:\ and press **OK**

(Or type the path name wherever you place the driver programs)

11. A dialog box will appear to adjust the driver's settings. The resources assignment to the adapter must be unique in the system.
12. Press **OK** when all setting are completed.
13. Press **Close** to complete network setting

## **Windows NT 3.5x Installation**

1. In Main Group of NT 3.5x, open **Control Panel** and click on **Network** icon.
2. In **Network Settings** dialog box, push **Add Adapter...** button. The **Add Network Adapter** dialog box will appear.
3. Choose **<Other> requires disk** from manufacturer” from the network adapter card list and press **Continue**.
4. When Windows NT prompts for manufacturer disk, insert driver diskette and press **OK** until the **Network Setting Change** dialog box appears.
5. Restart now to have the card take effect.